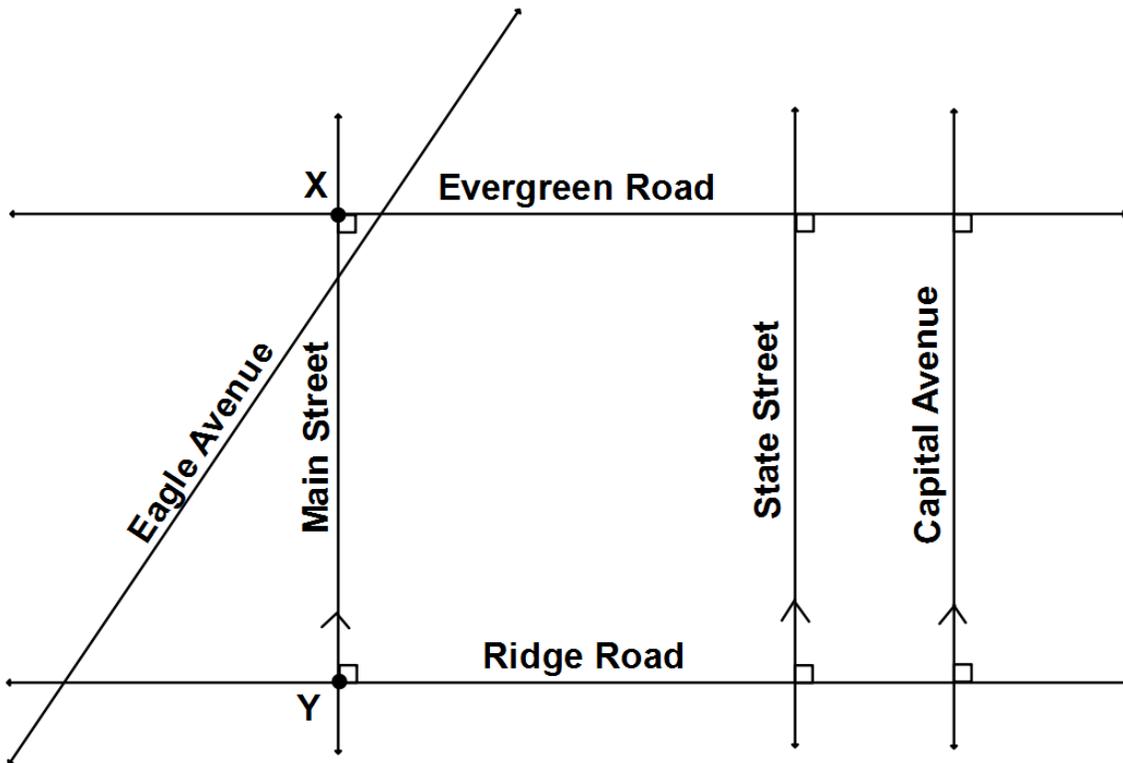


Street Map Sample Answers

Construct the following using the criteria below and an appropriate tool:

- Main Street runs parallel to State Street.
- State Street runs parallel to Capital Avenue.
- Evergreen Road runs perpendicular to Main Street through point X.
- Eagle Avenue intersects Main Street and Evergreen Road, but is neither parallel nor perpendicular to either.
- Ridge Road runs perpendicular to Main Street through point Y.

*This is one version of the street map. Accept all other appropriate versions.*



1) What is the relationship between Main Street and Capital Avenue? How do you know?

*Main Street and Capital Avenue are both parallel to State Street and are parallel to each other. If two lines are parallel to a 3<sup>rd</sup> line they are parallel to each other.*

2) What is the relationship between Evergreen Road and Ridge Road? How do you know?

*Evergreen Road and Ridge Road are both perpendicular to Main Street and are parallel to each other. If two lines are perpendicular to a 3<sup>rd</sup> line they are parallel to each other.*

3) What is the relationship between Eagle Avenue and Ridge Road? How do you know?

*They are intersecting roads (or could be depending on the sketch) and are neither parallel to each other nor perpendicular to each other. Ridge Road is parallel to Evergreen Road, Eagle Avenue will intersect it.*